

TC2800

Jeff

Organization Bldg./Room  
UNITED STATES PATENT AND TRADEMARK OFFICE

P.O. Box 1450

Alexandria, VA. 22313-1450

If Undeliverable Return Within Ten Days

Official Business

Penalty For Private Use, \$300

AN EQUAL

OPPORTUNITY EMPLOYER

- ☐ Deceased  
☐ Box Terminated  
☐ No Such P.O. Box Number  
☐ No Such Street Number  
☐ No Such Address  
☐ Insufficient Address  
☐ Moved. Left No Address

AIR MAIL

69

MRC

TAIPEI

PORT PAYE

FRANCE

RECEIVED

JAN 1 2 2006

USPTO MAIL CENTER

RECEIVED

JAN 1 2 2006

USPTO MAIL CENTER

22313/1450



# UNITED STATES PATENT AND TRADEMARK OFFICE

*FW*

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/709,073	04/12/2004	Wei-Jia Hsieh		3072

42498 7590 11/29/2005

SOLTEK COMPUTERS INC.  
F-4, NO 148, SEC. 4 CHUNG-HSIAO E. ROAD  
TAIPEI,  
TAIWAN



EXAMINER

CHANDRAN, BIJU INDIRA

ART UNIT PAPER NUMBER

2835

DATE MAILED: 11/29/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

RECEIVED  
OIPE/IAP

JAN 13 2006



# Office Action Summary

## Application No.

10/709,073

## Applicant(s)

HSIEH, WEI-JIA

## Examiner

Biju Chandran

## Art Unit

2835

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

## Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

## Status

- 1) ☒ Responsive to communication(s) filed on 12 April 2004.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

## Disposition of Claims

- 4) ☒ Claim(s) 1-3 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-3 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

## Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

## Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☒ None of:
- 1) ☒ Certified copies of the priority documents have been received.
  - 2) ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  - 3) ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

## Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
Paper No(s)/Mail Date \_\_\_\_\_
- 4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date \_\_\_\_\_
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: \_\_\_\_\_

***Claim Rejections - 35 USC § 112***

The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

1. Claim 3 is rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention. It is unclear what the applicant means by "mass heat exhaustion is larger than a mass heat absorption". If the applicant means that the amount of heat that is removed from the computer case is greater than the amount of heat generated (like in a refrigerator), then, the disclosure does not describe this. However, if the applicant means that the cooling system is capable of removing more heat than what is generated, then, the claim should be reworded to reflect this.

***Claim Rejections - 35 USC § 102***

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

2. Claims 1-3 are rejected under 35 U.S.C. 102(b) as being anticipated by Lau et al. (US 5,440,450).

- Regarding claim 1, Lau et al. disclose a heat sink device of a computer case (figure 2), said computer case comprising at least a plurality of ventilation holes (38) and a plurality of exhaust holes (48) formed on a sidewall thereof, wherein at least a motherboard (56) and a power supplier (46) are installed within said computer case, the heat sink device comprising: a scroll fan ('44'; column 1, line 62 – column 2, line 8), installed inside said computer case below said power supplier (figure 5; column 4, lines 42-44), wherein said scroll fan comprises: an air inlet, at a distal end thereof; an air outlet, at a primal end thereof (figure 5), wherein said air outlet is connected to said ventilation holes of said computer case (figure 3; column 4, lines 19-20); and wherein said scroll fan is adapted for generating air and circulating air within said computer case, and dissipating heat from inside said computer case (figures 5&6; Column 5, lines 20-35).
- Regarding claim 2, Lau et al. further disclose that the said ventilation holes are larger compared to said exhaust holes (compare '38' to '48' in figure 2).
- Regarding claim 3, Lau et al. further disclose the said scroll fan is adapted for generating air for exchanging heat within said computer case and dissipating heat out of said computer case (figures 5&6; Column 5, lines 20-35) such that it is capable of mass heat exhaustion which is larger than a mass heat absorption. Lau et al. disclose that

Art Unit: 2835

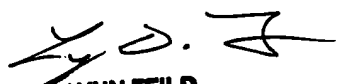
the heat generated within the computer case is approximately ( $H_{\text{power-supply}} + H_{\text{disk drives}} + H_{\text{mother board}} + H_{\text{fan}} = 22$  [column 5, line 11] + 1 + 12 + 13 [column 5, lines 35-37] + 1.1) 49.1 W, and the heat exhaustion of the fan is approximately 50W.

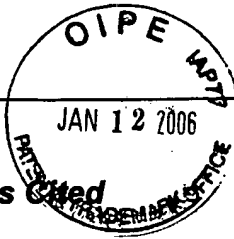
The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Askeland et al. (US 2003/0156385 A1) also discloses most of the limitations of the applicant's invention.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Biju Chandran whose telephone number is (571) 272-5953. The examiner can normally be reached on 8AM - 5PM. Mon-Fri.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Lynn Feild can be reached on (571) 272-2092. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

  
LYNN FEILD  
SUPERVISORY PATENT EXAMINER  
TECHNOLOGY CENTER 2800

**Notice of References Cited**

Application/Control No.

10/709,073

Applicant(s)/Patent Under  
Reexamination  
HSIEH, WEI-JIA

Examiner

Biju Chandran

Art Unit

2835

Page 1 of 1

**U.S. PATENT DOCUMENTS**

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	Classification
*	A	US-5,440,450	08-1995	Lau et al.	361/695
*	B	US-2003/0156385 A1	08-2003	Askeland et al.	361/687
	C	US-			
	D	US-			
	E	US-			
	F	US-			
	G	US-			
	H	US-			
	I	US-			
	J	US-			
	K	US-			
	L	US-			
	M	US-			

**FOREIGN PATENT DOCUMENTS**

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Country	Name	Classification
	N					
	O					
	P					
	Q					
	R					
	S					
	T					

**NON-PATENT DOCUMENTS**

*		Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages)
	U	
	V	
	W	
	X	

\*A copy of this reference is not being furnished with this Office action. (See MPEP § 707.05(a).)  
Dates in MM-YYYY format are publication dates. Classifications may be US or foreign.